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1 Inter-organizational document exchange: facing the conversion problem with XML.

Luis Martín Díaz, Erik Wüstner, Peter Buxmann

March 2002 SAC '02: Proceedings of the 2002 ACM symposium on Applied computing

Publisher: ACM

Full text available: pdf(470.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 39, Citation Count: 2

Information exchange processes are often characterized by the need of translating from one data format into another in order to achieve compatibility between information systems. A conversion problem often arises when exchanging files between applications ...

Keywords: Java, XML, conversion problem, information systems, inter-organizational document exchange, standardization, supply chain management

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2 Concrete syntax for objects: domain-specific language embedding and assimilation

without restrictions

Martin Bravenboer, Eelco Visser

October 2004 ACM SIGPLAN Notices, Volume 39 Issue 10

Publisher: ACM

Full text available: pdf(379.91 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 184, Citation Count: 9

Application programmer's interfaces give access to domain knowledge encapsulated in class libraries without providing the appropriate notation for expressing domain composition. Since object-oriented languages are designed for extensibility and reuse,

...

Keywords: MetaBorg, SDF, concrete object syntax, domain-specific languages, embedded languages, extensible syntax, meta programming, rewriting, stratego, syntax extension

3 Concrete syntax for objects: domain-specific language embedding and assimilation

without restrictions

Martin Bravenboer, Eelco Visser

October 2004 OOPSLA '04: Proceedings of the 19th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications

Publisher: ACM

Full text available: pdf(379.91 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 184, Citation Count: 9

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Keywords: MetaBorg, SDF, concrete object syntax, domain-specific languages, embedded languages, extensible syntax, meta programming, rewriting, stratego, syntax extension

4 Managing XML data storage

 Jerry Emerick

June 2002 Crossroads, Volume 8 Issue 4

Publisher: ACM

Full text available:  pdf(68.26 KB)  html Additional Information: [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 18, Citation Count: 0

5 XRel: a path-based approach to storage and retrieval of XML documents using relational databases

 August 2001 ACM Transactions on Internet Technology (TOIT), Volume 1 Issue 1

Publisher: ACM

Full text available:  pdf(264.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 42, Downloads (12 Months): 267, Citation Count: 44

This article describes XRel, a novel approach for storage and retrieval of XML documents using relational databases. In this approach, an XML document is decomposed into nodes on the basis of its tree structure and stored in relational tables according ...

Keywords: XML query, XPath, text markup, text tagging

6 Web services-based network management: approaches and the WSNET system

John Soldatos, Dimitris Alexopoulos

January 2007 International Journal of Network Management, Volume 17 Issue 1

Publisher: John Wiley & Sons, Inc.

Full text available:  pdf(534.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 312, Citation Count: 0

While the Simple Network Management Protocol (SNMP) is still the dominant protocol for managing network elements in IP-based networks and the Internet, network managers are acknowledging its limitations with respect to configuration management, application ...

7 Implementing incremental code migration with XML

 Wolfgang Emmerich, Cecilia Mascolo, Anthony Finkelstein

June 2000 ICSE '00: Proceedings of the 22nd international conference on Software engineering

Publisher: ACM

Full text available:  pdf(124.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 5

We demonstrate how XML and related technologies can be used for code mobility at any granularity, thus overcoming the restrictions of existing approaches. By not fixing a

particular granularity for mobile code, we enable complete programs as well as ...

Keywords: XML technologies, incremental code migration

8 Consistently updating XML documents using incremental constraint check queries

Bintou Kane, Hong Su, Elke A. Rundensteiner

November 2002 WIDM '02: Proceedings of the 4th international workshop on Web information and data management

Publisher: ACM

Full text available:  pdf(399.07 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 43, Citation Count: 1

When updating a valid XML document, an efficient yet light-weight mechanism is needed to determine if the up-date would invalidate the document. Towards this goal, we developed a framework called SAXE, we first analyzed the constraints expressed in XML ...

Keywords: XML schema, XML update, XQuery

9 Model checking XML manipulating software

Xiang Fu, Tevfik Bultan, Jianwen Su

July 2004 ISSTA '04: Proceedings of the 2004 ACM SIGSOFT international symposium on Software testing and analysis

Publisher: ACM

Full text available:  pdf(199.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 51, Citation Count: 3

The use of XML as the de facto data exchange standard has allowed integration of heterogeneous web based software systems regardless of implementation platforms and programming languages. On the other hand, the rich tree-structured data representation, ...

Keywords: MSL, SPIN, XML, XML schema, XPath, model checking, promela, web service

10 Model checking XML manipulating software

Xiang Fu, Tevfik Bultan, Jianwen Su

July 2004 ACM SIGSOFT Software Engineering Notes, Volume 29 Issue 4

Publisher: ACM

Full text available:  pdf(199.58 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 51, Citation Count: 3

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Keywords: MSL, SPIN, XML, XML schema, XPath, model checking, promela, web service

11 Translating XSLT programs to Efficient SQL queries

Sushant Jain, Ratul Mahajan, Dan Suciu

May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web

Publisher: ACM

Full text available:  pdf(171.64 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 65, Citation Count: 11

We present an algorithm for translating XSLT programs into SQL. Our context is that of virtual XML publishing, in which a single XML view is defined from a relational database, and subsequently queried with XSLT programs. Each XSLT program is translated ...

Keywords: SQL, XML, XSLT, query optimization, translation, virtual view

12 [Information storage and management in large web-based applications using XML](#)

Manirupa Das, Pamela B. Lawhead

June 2003 Journal of Computing Sciences in Colleges, Volume 18 Issue 6

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  pdf(45.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 175, Citation Count: 1

The Extensible Markup Language [XML], was intended to be a meta-language, when it was initially approved as a Web Standard by the World Wide Web Consortium (W3C), in February of 1998. Since then, it has come a very long way in applicability and popularity ...

Keywords: applying XML, data and document management, information management, information storage, large web applications, online course delivery

13 [Towards static type checking for XSLT](#)

 Akihiko Tozawa

November 2001 DocEng '01: Proceedings of the 2001 ACM Symposium on Document engineering

Publisher: ACM

Full text available:  pdf(175.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 17

We are concerned about the *static type checking* problem for XSLT. In the context of XSLT and other XML programming, *types* are DTDs or schemas, and *static type checking* is to verify that a program always converts valid source documents ...

14 [Managing security policies in a distributed environment using eXtensible markup language \(XML\)](#)

 Nathan N. Vuong, Geoffrey S. Smith, Yi Deng

March 2001 SAC '01: Proceedings of the 2001 ACM symposium on Applied computing

Publisher: ACM

Full text available:  pdf(206.91 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 73, Citation Count: 4

Keywords: Java, RBAC, XML, distributed authorization, managing security policies, meta-language

15 [MOF to EMF: there and back again](#)

 Anna Gerber, Kerry Raymond

October 2003 eclipse '03: Proceedings of the 2003 OOPSLA workshop on eclipse technology exchange

Publisher: ACM

Full text available:  pdf(102.02 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 170, Citation Count: 0

The OMG's Meta-Object Facility (MOF) and the open source Eclipse Modelling Framework (EMF) are two popular meta-modelling frameworks, created to meet similar (but not identical) requirements. A means of translating MOF to EMF and vice versa is required ...

16 Coverage, relevance, and ranking: The impact of query operators on Web search

 engine results

Caroline M. Eastman, Bernard J. Jansen

October 2003 ACM Transactions on Information Systems (TOIS), Volume 21 Issue 4

Publisher: ACM

Full text available:  pdf(373.50 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 277, Citation Count: 11

Research has reported that about 10% of Web searchers utilize advanced query operators, with the other 90% using extremely simple queries. It is often assumed that the use of query operators, such as Boolean operators and phrase searching, ...

Keywords: Boolean operators, Relative precision, Web results, coverage, query operators, ranking, search engines

17 Extending model driven architecture benefits to requirements engineering

Salah Kabanda, Mathew Adigun

October 2006 SAI CSI T '06: Proceedings of the 2006 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available:  pdf(145.49 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 254, Citation Count: 0

This work focuses on developing a requirement engineering model (RSPL) based on a Model Driven Architecture (MDA) and Web-tier Application Framework (WAF), to support automatic and interactive requirements generation when creating families of systems. ...

Keywords: model driven architecture, requirement specification model for product lines, software product line engineering, web-tier application framework

18 Genericity in Java: persistent and database systems implications

Suad Alagić, Mark Royer

July 2008 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 17 Issue 4

Publisher: Springer-Verlag New York, Inc.

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Lack of parametric polymorphism has been a major obstacle for making Java a viable database programming language. Regrettably, a recently accepted solution for genericity in Java 5.0 has far-reaching negative implications for persistent and database ...

Keywords: Java, Object persistence, Object-oriented databases, Reflection, Transactions, Type systems, Virtual platforms

 Jeannie: granting java native interface developers their wishes

Martin Hirzel, Robert Grimm

October 2007 OOPSLA '07: Proceedings of the 22nd annual ACM SIGPLAN conference on
Object oriented programming systems and applications

Publisher: ACM

Full text available:  pdf(638.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 150, Citation Count: 0

Higher-level languages interface with lower-level languages such as C to access platform functionality, reuse legacy libraries, or improve performance. This raises the issue of how to best integrate different languages while also reconciling productivity, ...

Keywords: C, JNI, foreign function interface, java, modular syntax, programming language composition, rats!, xtc

20 Jeannie: granting java native interface developers their wishes

 Martin Hirzel, Robert Grimm

October 2007 ACM SIGPLAN Notices, Volume 42 Issue 10

Publisher: ACM

Full text available:  pdf(638.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 150, Citation Count: 0

Higher-level languages interface with lower-level languages such as C to access platform functionality, reuse legacy libraries, or improve performance. This raises the issue of how to best integrate different languages while also reconciling productivity, ...

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